

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED OIL SUB REPORT/abd
* Location Abandoned - Well never drilled - app rescinded 2-8-83
10

DATE FILED 3-8-82

LAND FEE & PATENTED

STATE LEASE NO

PUBLIC LEASE NO

U-18043

INDIAN

DRILLING APPROVED 3-10-82

SPUDDED IN

COMPLETED

PUT TO PRODUCING

INITIAL PRODUCTION

GRAVITY A.P.I.

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION 5084' 10

DATE ABANDONED LA 2-8-83

FIELD WILDCAT 3/86 Monument Butte

UNIT

COUNTY DUCHESNE

WELL NO. DUNCAN FEDERAL #3-10

LOCATION 660 FT. FROM (E) 1/4 LINE

1870

API NO. 43-013-30647
XX

NW NE

1/4 - 1/4 SEC

10

TWP

RGE

SEC

OPERATOR

TWP

RGE

SEC

OPERATOR

9S

17E

10

COTTON PETROLEUM CORP.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR

717 17th Street, Suite 2200, Denver Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660' FNL & 1870' FEL Sec 10

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles SE of Myton on Hwy 216

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

800

17. NO. OF ACRES ASSIGNED

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6050'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5084'

22. APPROX. DATE WORK WILL START*

March 1, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

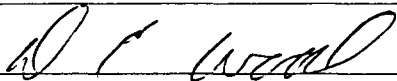
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------------|
| 12-1/4" | 8-5/8" | 24# | 500' | 500 sxs circu to surface |
| 7-7/8" | 4-1/2" | 11.6 & 10.5# | 6050' | 500 sxs |

Drill 6050' Green River test. Drill 12-1/4" surface hole to 500' with native brine water to clean hole, set 8-5/8" casing and cement to surface. Wait on cement 12 hrs. Pressure test casing and BOP to 70% of casing yield, 2065 psig before drilling out, test BOP operation daily and record. Drill 7-7/8" hole with brine water to 4500', and with a polymer brine water from 4500' to 6050'. Mud weight will be 9.0 to 9.4 lbs per gallon. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

Division Production Manager

DATE

1-13-82

(This space for Federal or State office use)

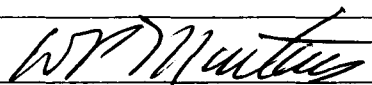
PERMIT NO.

APPROVAL DATE

FOR E. W. GUYNN

DISTRICT OIL & GAS SUPERVISOR

APPROVED BY



TITLE

DATE

FEB 26 1982

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYTHIS PERMIT IS SUBJECT TO NTL 4-A
DATED 1/1/80

State Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR

717. 17th Street, Suite 2200, Denver Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.°)

At surface

660' FNL & 1870' FEL Sec 10

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE°

15 miles SE of Myton on Hwy 216

10. DISTANCE FROM PROPOSED°

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

800

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION°
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6050'

20. ROTARY OR CABLE TOOL

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5084'

22. APPROX. DATE WORK WILL START°

March 1, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

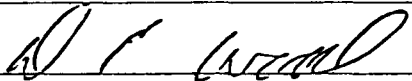
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------------|
| 12-1/4" | 8-5/8" | 24# | 500' | 500 sxs circu to surface |
| 7-7/8" | 4-1/2" | 11.6 & 10.5# | 6050' | 500 sxs |

Drill 6050' Green River test. Drill 12-1/4" surface hole to 500' with native brine water to clean hole, set 8-5/8" casing and cement to surface. Wait on cement 12 hrs. Pressure test casing and BOP to 70% of casing yield, 2065 psig, before drilling out, test BOP operation daily and record. Drill 7-7/8" hole with brine water to 4500', and with a polymer brine water from 4500' to 6050'. Mud weight will be 9.0 to 9.4 lbs per gallon. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

Division Production Manager

DATE

1-13-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Minerals Management Service
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

FEB 22 1982
SALT LAKE CITY, UTAH

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Cotton Petroleum Corporation
Project Type Oil Well
Project Location 660' FNL & 1870' FEL - Sec. 10, T. 9S, R. 17E
Well No. 3-10 Lease No. U-18043
Date Project Submitted January 22, 1982

FIELD INSPECTION

Date February 9, 1982

Field Inspection
Participants

Greg Darlington - MMS, Vernal; Gary Slagel - BLM,
Vernal; Dusty Mecham and D. E. Wood - Cotton Petroleum;
Mike Phillips and Tony O'Neill - C & C Construction;
George Weldon - Weldon Construction - Jim Hacking -
Skewes Construction - Dave Stubbs - Stubbs Construction

Related Environmental Documents: Unit Resource Analysis, Duchesne Planning
Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects, and, therefore, does not represent an exception to the categorical exclusions.

February 19, 1982
Date Prepared

Greg Darlington
Environmental Scientist

I concur

FEB 22 1982
Date

W. W. Martin
District Supervisor

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

PROPOSED ACTION:

Cotton Petroleum Corporation plans to drill the Duncan #3-10 well, a 6050' oil test of various formation. A new access road of 1000' length will be required. An area of operations 255' x 330' is requested for the location.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

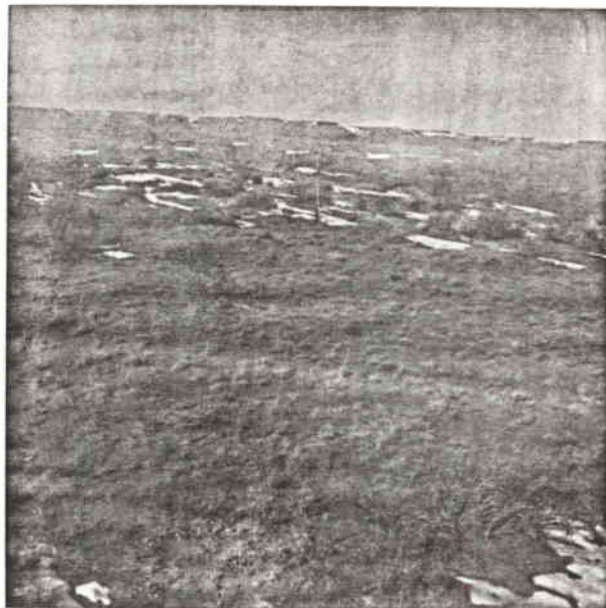
1. BLM stipulations;
2. lease stipualtions; and
3. provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

| Criteria 516 DM 2.3.A | Federal/State Agency | | | Local and private correspondence (date) | Previous NEPA | Other studies and reports | Staff expertise | Onsite inspection (date) | | Other |
|---|-------------------------------|--------------------------|-------------------|--|------------------|------------------------------------|--------------------|--------------------------------|---|-------|
| | Corre- spondence (date) | Phone check (date) | Meeting (date) | | | | | | | |
| Public health and safety | | | | | | | 1, 2, 4, 6 | February 9 1982 | | |
| Unique charac- teristics | | | | | | | 1, 2, 4, 6 | | | |
| Environmentally controversial | | | | | | | 1, 2, 4, 6 | | | |
| Uncertain and unknown risks | | | | | | | 1, 2, 4, 6 | | | |
| Establishes precedents | | | | | | | 1, 2, 4, 6 | | | |
| Cumulatively significant | | | | | | | 1, 2, 4, 6 | | | |
| National Register historic places | | | | | | | 1, 6 | | | |
| Endangered/ threatened species | | | | | | | 1, 6 | | | |
| Violate Federal, State, local, tribal law | | | | | | | 1, 2, 4, 6 | | ↓ | |

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *Onsite Requirements Other than the Items 1-7.*



*North View Cotton
Duncan 3-10*



United States Department of the Interior

IN REPLY REFER TO

T & R
U-801

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

FEB 22 1982

SALT LAKE CITY, UTAH

February 10, 1982

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Joint Onsite Inspection
Cotton Petroleum Corporation
T9S, R17E, Sec. 10,
Well #2-10
T9S, R17E, Sec. 10,
Well #3-10
T9S, R17E, Sec. 11,
Well #1-11



Dear Mr. Guynn:

On February 9, 1982, a joint onsite inspection was made of the above referenced well site location and access road by people representing Skewes & Hamilton Construction, Stubbs Construction, C & C Construction, Weldon Construction, USGS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 Point Plan. Our office recommends the top 6-10 inches of soil materials be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.
6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. No trash will be thrown in the reserve pit. All trash must be contained and hauled to the nearest sanitary landfill.
7. All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective earth tone color to match Tnemec 23-08351 Mesa

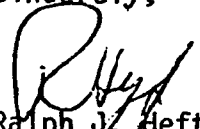
Brown Enduratone or an approved equal. All facilities shall be painted within six (6) months of when the production facilities are put in place. Facilities that are required by O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

8. Reserve pits will be fenced with a wire mesh fence topped with at least one (1) strand of barbed wire.
9. The pits for all three (3) locations will be lined.
10. At location #2-10, the east end of the pad will be lengthened 25'.
11. At location #3-10, the east end of the pad will be lengthened 25'.
12. At location #1-11, the east end of the pad will be lengthened 25'.

An archaeological clearance has been conducted by Powers Elevation of the proposed drill site and access road. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna and their habitats.

Sincerely,


Ralph J. Heft
Area Manager
Diamond Mountain
Resource Area

cc: USGS, Vernal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR

717 17th Street, Suite 2200, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.)

At surface
660' FNL & 1870' FEL Sec
At proposed prod. zone
NW NE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles SE of Myton on Hwy 216

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6050'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5084'

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------------|
| 12-1/4" | 8-5/8" | 24# | 500' | 500 sxs circu to surface |
| 7-7/8" | 4-1/2" | 11.6 & 10.5# | 6050' | 500 sxs |

Drill 6050' Green River test. Drill 12-1/4" surface hole to 500' with native brine water to clean hole, set 8-5/8" casing and cement to surface. Wait on cement 12 hrs. Pressure test casing and BOP to 70% of casing yield, 2065 psig, before drilling out, test BOP operation daily and record. Drill 7-7/8" hole with brine water to 4500', and with a polymer brine water from 4500' to 6050'. Mud weight will be 9.0 to 9.4 lbs per gallon. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 3/10/82
BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Division Production Manager

DATE

1-13-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

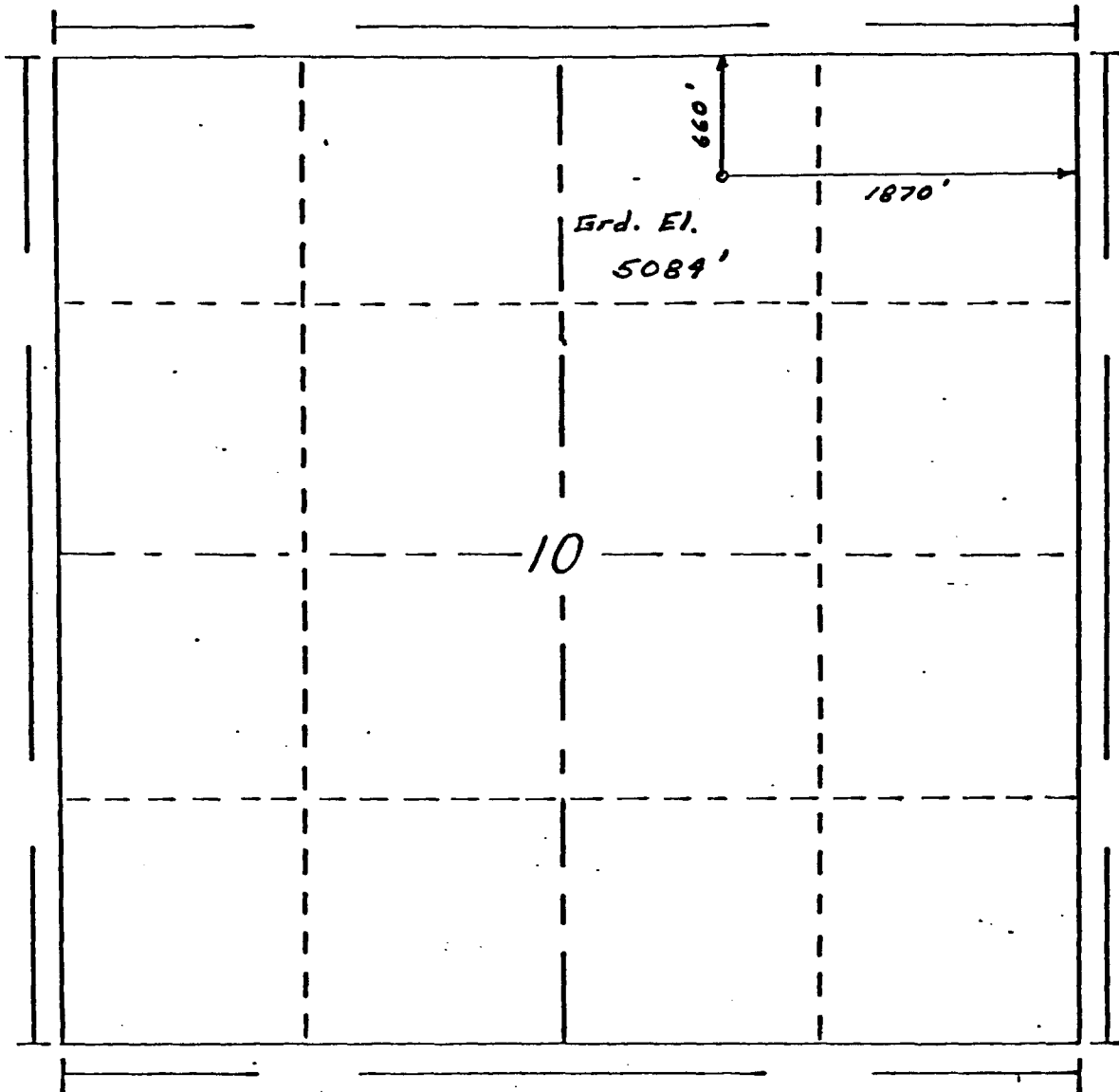
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



R. 17 E.



T. 9 S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from *Teri Greenhalgh*
for *Cotton Petroleum*
determined the location of *#3-10 Duncan Federal*
to be *660' FNL & 1870' FEL* Section 10 Township 9 South
Range 17 East *Salt Lake Meridian*
Duchesne County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of

Date: 23 OCT. '81

T. Nelson
Licensed Land Surveyor No. 2711
State of Utah

Cotton Petroleum Corporation

A United Energy Resources, Inc. Company

717-17th Street Energy Center One—Suite 2200, Denver, Colorado 80202 (303) 893-2233



January 13, 1982

District Engineer
U.S. Geological Survey
1745 W. 1700 S., Suite 2000
Salt Lake City, Utah 84104

Re: Duncan Federal 3-10
NWNE Section 10-T9S-R17E
Duchesne County, Utah
NTL-6 Information for APD

Dear Sir:

1. Surface Formation - Tertiary/Uintah
2. Estimated Tops - Green River 1330' - Wasatch 5880'
3. Estimated Depth of Fluids or Hydrocarbons:
 - a. Surface waters: Above 500'
 - b. Green River: Oil & Gas
 - c. Wasatch: Gas & Condensate
4. Surface Casing - Approximately 500' of 8-5/8", K-55, 24#, new cemented with 500 sacks regular cement plus lost circulation material and calcium chloride, circulated to surface.

Long String of Casing - 4-1/2", 11.6#, K-55, new cemented with 500 sacks Pozmix cement with thinner/retarder, fluid loss and lost circulation additives.
5. Wellhead Equipment (See Attachment #1):
 - a. 3000# W.P., 6000# test series, 900 casing head and double ram blow-out preventor.
 - b. Nominal 10" casing head and blow-out preventor with 10" flanges.
 - c. See Attachment #1 for 2" fill-up flare line hookup.
 - d. Pressure test wellhead, blow-out preventor, and surface casing to 70% of casing yield, 2065 psig, for 30 minutes, with maximum 100 psig loss of pressure prior to drilling out from under surface casing.
 - e. Test operated pipe rams once each twenty-four hours and both pipe rams and blind rams each trip out of hole, and record on driller's tour report.

6. Drilling Fluid:

- a. Surface hole: Native brine water, wt 8.5 - 8.6, vis 30-35
- b. Under surface to 2500': Brine water, wt 9.0 - 9.5, vis 32-38
- c. 2500' - 4500': Brine water as in "b" above
4500' - 6050': Brine water with additives to obtain the following properties; wt 9.0 - 9.4, vis 32-38, wl 5-15 cc
- d. 400 barrel steel surface pits
- e. No formation gradient higher than 0.45 psi per foot is expected.

7. Auxiliary Equipment:

At 4000', the following equipment will be installed.

- a. Rotating Head
- b. Stabbing sub and full opening valve on the floor

8. Testing Logging:

All potential reservoirs listed in "3" above will have drill cuttings and mud examined by a wellsite geologist for shows of oil and gas.

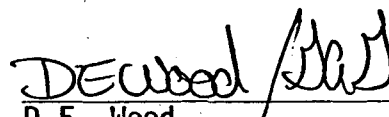
An SP-GR-DIL w/2" Linear Correlation Log, surface casing to TD a CNL-FDC-GR will be run for depth control of all formations, porosity and saturation determinations. Completion attempt will be made in the Green River with a fracture stimulation.

9. Pressures and Temperatures:

No abnormal pressures or temperatures have been encountered in nearby wells. No hydrogen sulfide has been found in daily mud checks or produced fluids.

10. The well will be started on approximately March 1, 1982 and will require six weeks for drilling plus required time for evaluation of potential reservoirs (testing, logging) and any difficulties encountered by the drilling rig.

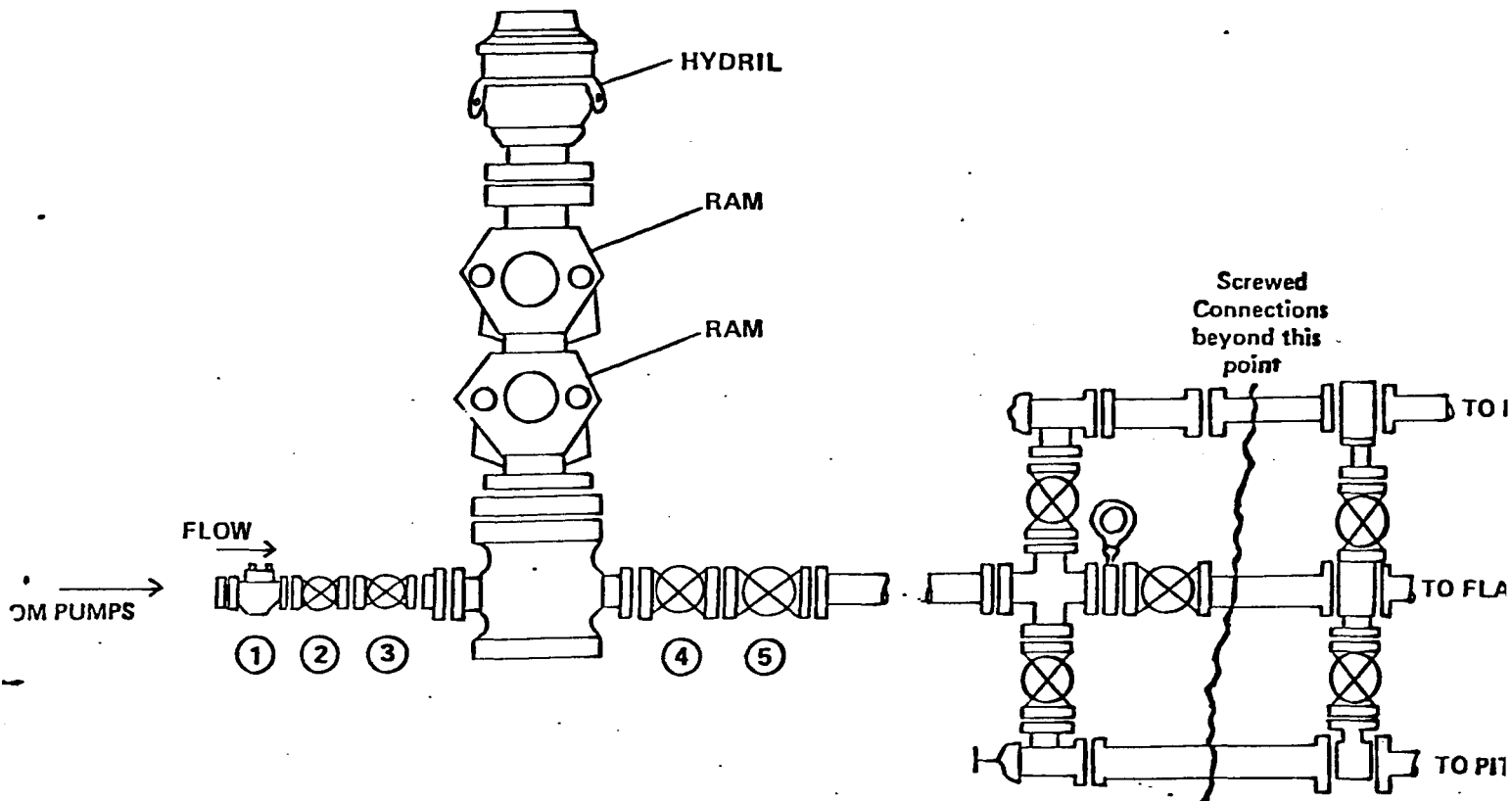
Sincerely,



D.E. Wood
Division Production Manager

Cotton Petroleum Corporation

MINIMUM BOP Requirements



KILL LINE

Valve #1 — Flanged check valve
Full working pressure
of BOP

Valves #2 & 3— Flanged, minimum 2" bore
Full working pressure of BOP

CHOKE LINE

Valve #4 & 5 — Flanged minimum 2" bore full
working pressure of BOP
(Note: An HCR can be used
instead of Valve #5)

GENERAL RULES AND RECOMMENDATIONS

1. Test Rams to full working pressure, Hydril to 50% of working pressure.
2. All lines to manifold are to be at right angles (90°). No 45° angles are to be used. Blind flanges are to be used for blanking.
3. ALL studs and nuts are to be installed on all flanges.
4. Choke manifold may be screwed connections behind chokes.

ATTACHMENT 1

DUNCAN FEDERAL 3-10
MULTI-POINT REQUIREMENTS
13 Point Plan

1. Existing Roads:

- a. The locations of the proposed well site is shown on Attachment 2. The details of the staked location are shown on Attachment 5.
- b. The route to the proposed location is shown in red on Attachment 2, with a written description on Attachment 3.
- c. The access road is highlighted in red on Attachment 2.
- d. This is a development well, therefore "d" is not applicable.
- e. This is a development well, therefore, to the best of our knowledge, all existing roads within 1 mile of the location are shown on Attachment 2.
- f. The existing roads are graded and capable of full load capacity and will require any additional preparation for drilling operations. Road maintenance (grading) will be performed as required.

2. Planned Access Roads:

- a. The proposed access road will be centerline flagged, approximately 900' in length, single lane, and 16' in width.
- b. Maximum grade will be less than 10%.
- c. No turnouts will be needed.
- d. A drainage ditch will be constructed on the uphill side with a 4:1 slope; with diversions away from the road or as required on the downhill side, where the slope exceeds 2%.
- e. Culverts will not be required.
- f. All surface material will be local soil and rock.
- g. Gates, cattlequards, and fence cuts are not required.

3. Location of Existing Wells:

Attachment 4 shows the location and type of wells located within 2 miles of the proposed location.

4. Location of Existing and/or Proposed Facilities:

- a. The Duncan Federal 1-10 well is located within a 1 miles radius. It is operated by Cotton Petroleum, and it has a single well tank battery.

- b. The proposed facilities for this proposed well consist of two (2) 400 bbl tanks, and a production unit with meter run, as shown on Attachment 5.
- c. The disturbed areas, no longer needed for operations after construction is completed, will be rehabilitated consistent with BLM requirements.

5. Location and Type of Water Supply:

- a. Water for drilling this proposed well, will be supplied by a private water well in the town of Myton.
- b. The water will be hauled to location by truck, over access roads shown in red on Attachment 2.

6. Source of Construction Materials:

All roads or location material will be found on location, which is on BLM land.

7. Methods for Handling Waste Disposal:

- a. Well cuttings will be disposed in the reserve pit.
- b. Drilling fluids will be contained in the reserve pit, and allowed to dry, if the pit has not dried out in 6 months, the remaining fluid will be trucked away.
- c. Produced water will be disposed of in accordance with the NTL-2B regulations.
- d. Sewage will be collected in sanitary toilet facilities, with human wastes being buried in a pit with a minimum coverage of 4'.
- e. Garbage and other waste material will be collected in metal trash bins and hauled away to an approved landfill.
- f. If the well is productive, maintenance waste will be collected in trash cans and hauled away periodically. The well site will be properly cleaned up after the drilling rig has moved out.

8. Ancillary Facilities:

Temporary living trailers will be located on the southwest edge of the well pad. This will include trailers for the rig tool pusher, consulting engineer, and the mud logging trailer.

9. Well Site Layout:

- a. Attachment 6 shows the cross section of the drill pad showing cuts and fills. The mat size is 255'x1305'.
- b. Attachment 5 shows the proposed locations of the reserve and burn pits, and soil stockpiles. Also shown is the approximate proposed locations for the mud tanks, pipe racks and trash bins. Reserve pit is 100 x 120', joining pad on the north.

- c. The rig orientation, parking areas and access road is also shown on Attachment 5.
- d. The pits will be unlined, unless required by the U.S.G.S.

10. Restoration of Surface:

- a. The pits will be back filled and re-contoured as soon as drying permits. All waste that was not previously disposed of, will be removed. Liquid waste will be trucked away.
- b. The surface will be rehabilitated and re-vegetated according to BLM regulations.
- c. The mud pit will be fenced on 3 sides during drilling operations, and on the 4th side after the rig is released. All other pits will be fenced with small mesh wire on 4 sides.
- d. Overhead flagging will be installed on the mud pit if the pit gets covered with oil.
- e. Rehabilitation operations will start after production is established or the well is P & A'd, and will be completed within 6 months.

11. Other Information:

- a. Topography - Land is gently sloping to the north as shown by the topography map in Attachment.
- b. Soil - The soil is very shallow, rocky top soil.
- c. Vegetation - The vegetation is generally sparse and consists primarily of native grasses. Wildlife in the area is that typical of semi-arid land, which included coyotes, rabbits, rodents, reptiles, and quail. The area will be re-seeded after drilling is completed.
- d. Ponds and Streams - There are not any ponds or streams near the location.
- e. Residences and Other Structures - There are no buildings of any type within a radius of 2 miles of the proposed well.
- f. Surface Line - Grazing and Hunting.
- g. Effective on Environment - Drillsite is located in a low environmental risk area. A total effect in drilling and producing this and other wells in this area would be minimal.
- h. Surface Ownership - The proposed drillsite is on BLM controlled Federal surface. All proposed roads are on BLM controlled Federal surface.
- i. Open Pits - All pits containing mud or other liquids will be fenced. Reserve pits will be fenced on 3 sides during drilling and the 4th side afterwards.
- j. Well Signs - Signs identifying and locating the well will be maintained at drillsite commencing with the spudding of the well.

12. Operator's Representatives:

Field personnel who can be contacted concerning compliance with the Multipoint Requirements 13 Point Plan are as follows:

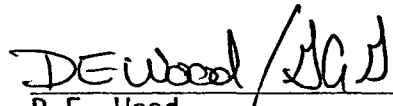
Dusty Mechem
Vernal, Utah
Office Phone: 801-789-4728
Home Phone: 801-789-0489

D.E. Wood
Denver, Colorado
Office Phone: 303-893-2233
Home Phone: 303-773-2722

Glenn Garvey
Denver, Colorado
Office Phone: 303-893-2233
Home Phone: 303-979-3714

13. Certification:

I hereby certify that I, or persons under by direct supervision, have inspected the drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Cotton Petroleum Corporation, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



D.E. Wood
Division Production Manager

COTTON PETROLEUM CORPORATION



DUNCAN FEDERAL #3-10

The distance from Myton, Utah is 14.5 miles. From Myton go west on U.S. 40 a distance of 1.9 miles to Green River access; go southerly on Green River access 13 miles to Cotton Petroleum #1-10 and beginning new access for the Cotton Petroleum #3-10. New access for the #3-10 is NW'erly from the #1-10, 0.3 miles (15.2 miles total)

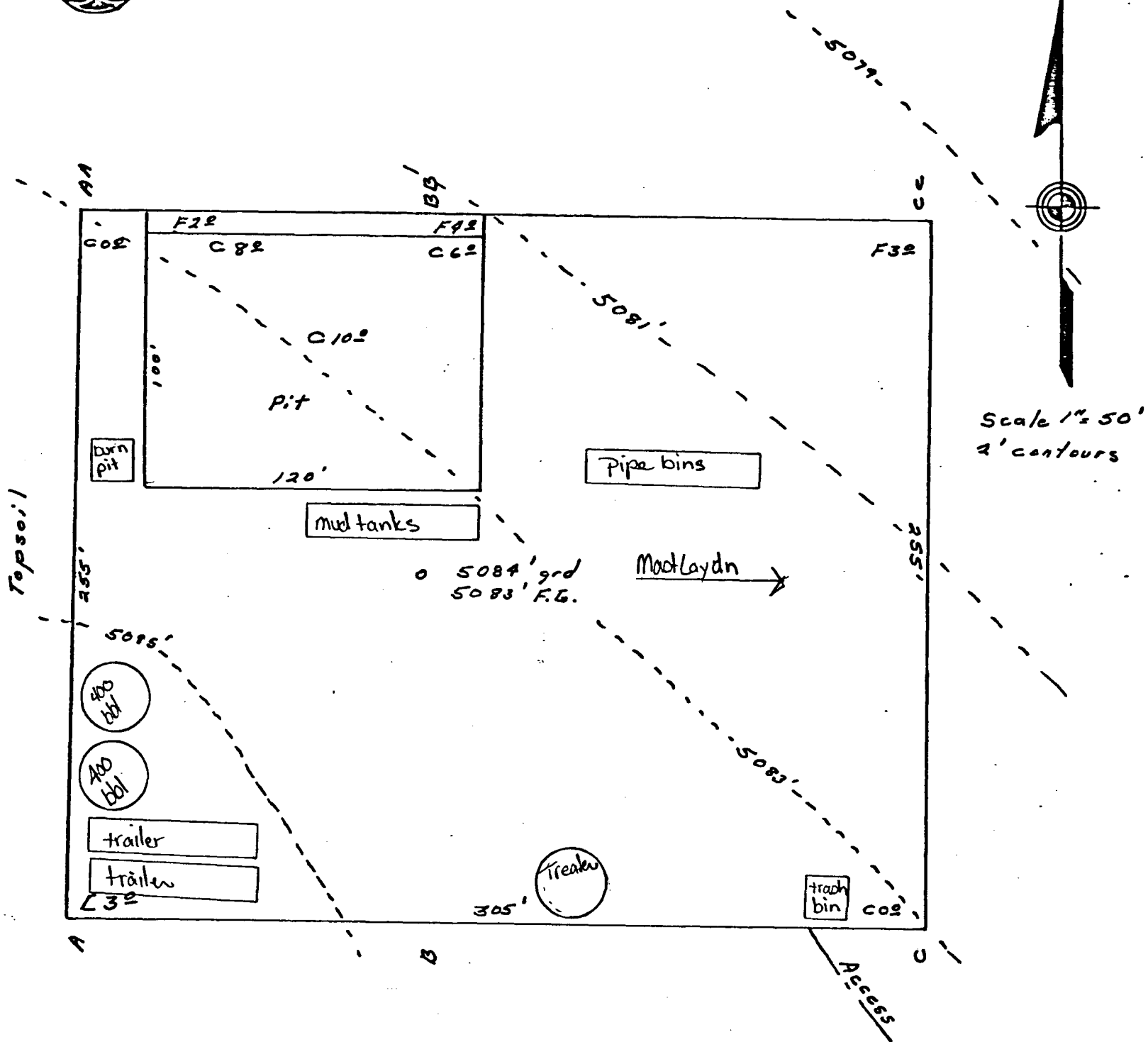
ATTACHMENT 3

[illegible]



POWERS ELEVATION

N 3-10 Duncan Federal N



Scale 1" = 50'
2' contours

ATTACHMENT 5



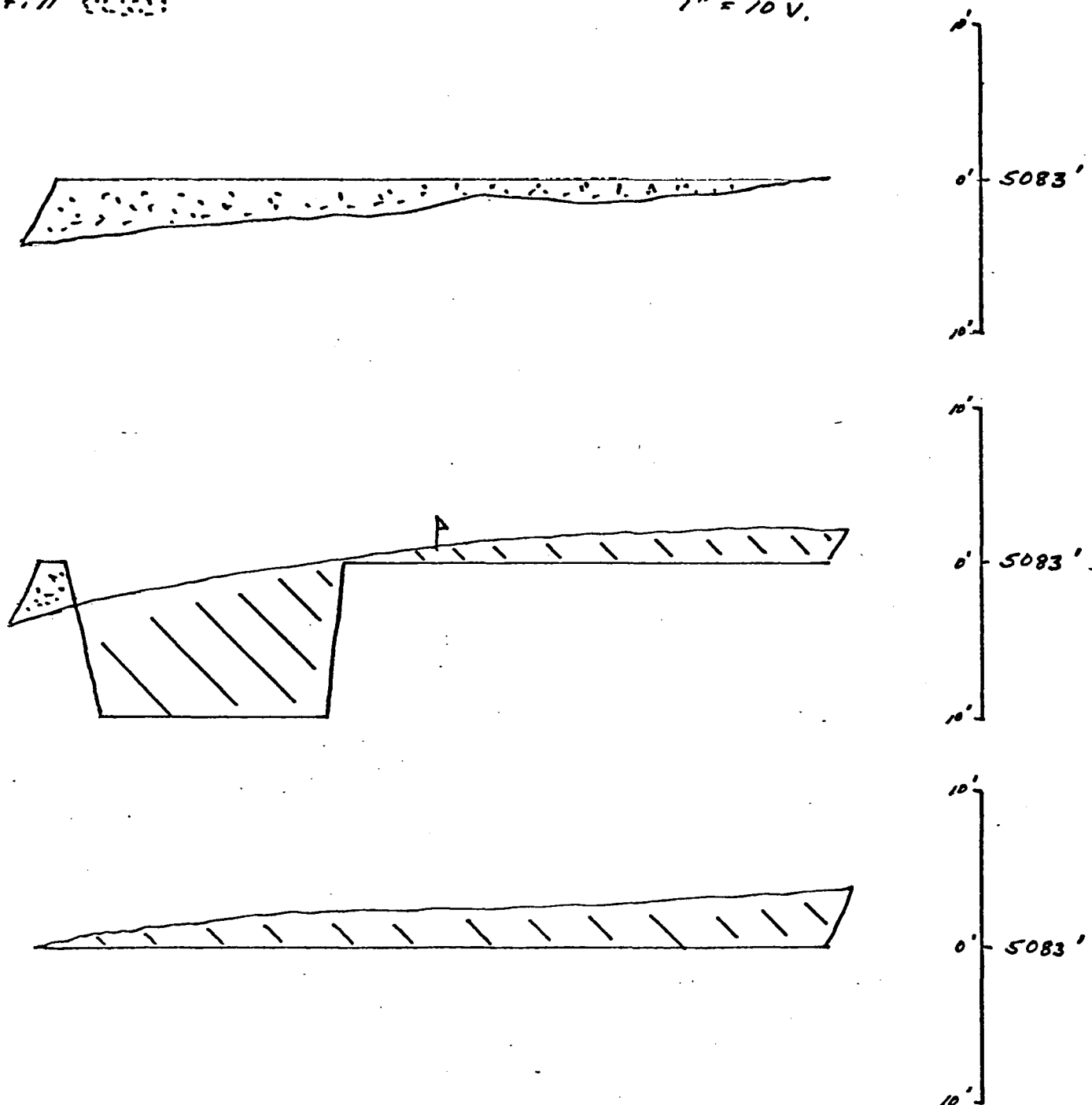
POWERS ELEVATION

#3-10 uncan Federal

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
800 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

cut \\\\
fill |||||

Scales: 1" = 50' H.
1" = 10' V.



ATTACHMENT 6

DUPLICATE COPIES OF WELL HISTORY INFORMATION

✓

**** FILE NOTATIONS ****

DATE: 3-9-82

OPERATOR: Cotton Petroleum Corp.

WELL NO: Duncan Fed #3-10

Location: Sec. 10 T. 9S R. 17E County: Duckworth

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-013-30647

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per rule C-3

Administrative Aide: OK as per rule C-3

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

March 11, 1982

Cotton Petroleum Corp.
717 17th St., STE. #2200
Denver, Colo 80202

RE: Well No. Duncan Federal #3-10,
Sec. 10, T. 9S, R. 17E,
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455


Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30647.

Sincerely,

DIVISION OF OIL, GAS AND MINING


Cleon B. Feight
Director

CBF/db
CC: Minerals Management Service
Enclosure



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 10, 1983

Cotton Petroleum Corporation
717 - 17th Street, Suite 2200
Denver, Colorado 80202

RE: Applications for Permit to Drill
Well No. 1-11
Sec. 11, T.9S, R.17E

Well Nos. 2-10 and 3-10
Sec. 10, T.9S, R.17E
All in Duchesne County, Utah

Gentlemen:

Approval of Applications for Permit to Drill the above referenced wells are rescinded without prejudice as of the above date in concert with action taken by Oil and Gas Operations.

If you intend to drill these locations at a future date, a new application for permit to drill may be submitted for State approval.

Sincerely,

Norm Stout
Administrative Assistant

NS/as